

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 17644 - L2 Version 1
Chandra X-Ray Center

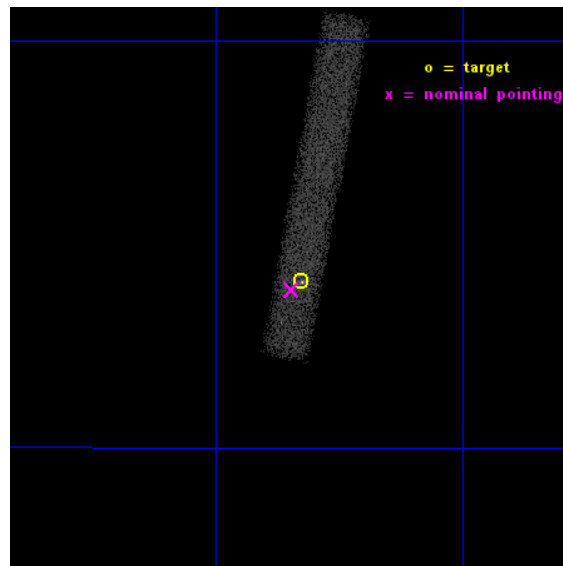
L2 Processing Date : Apr 16 2015

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1 Front

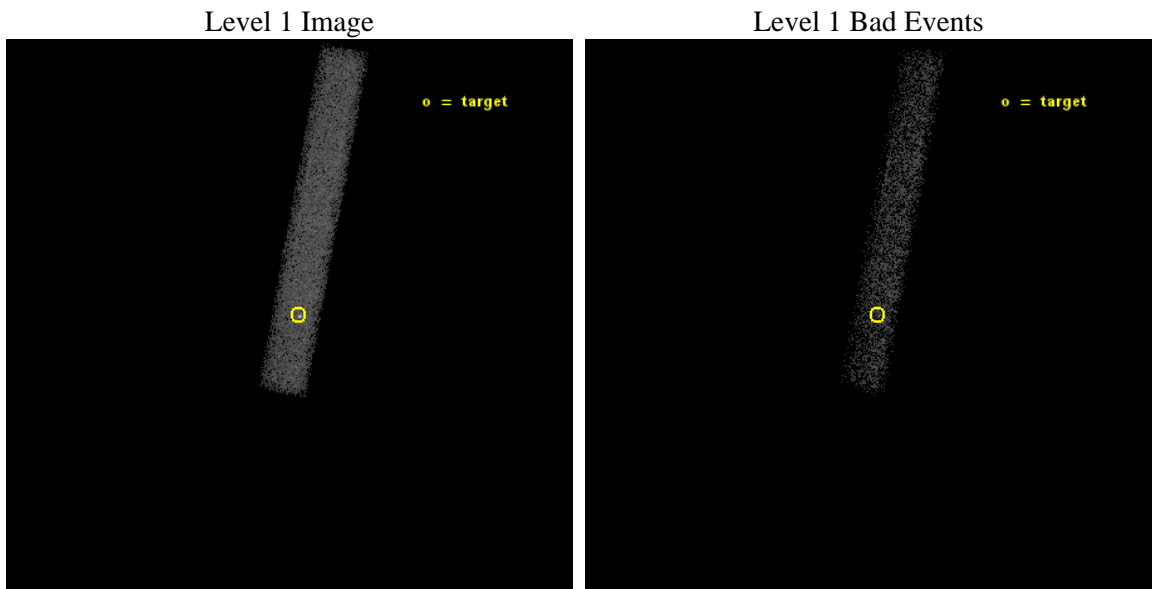
seq_num	201026	Sequence number
obs_id	17644	Observation id
title	The dim state of RW Aur	Proposal title
observer	Dr. Christian Schneider	Principal investigator
object	RW Aur	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	76.956667	Observer's specified target RA [deg]
dec_targ	30.401444	Observer's specified target Dec [deg]
ra_nom	76.961487832068	Nominal RA [deg]
dec_nom	30.39793485551	Nominal Dec [deg]
roll_nom	281.01033861393	Nominal Roll [deg]
revision	1	Processing version of data
ontime	38690.797693729	Sum of GTIs [s]
livetime	35090.511240458	Livetime [s]
ontime7	38690.797693729	Sum of GTIs [s]
l2events	17860	Number of level 2 events



2 OBI

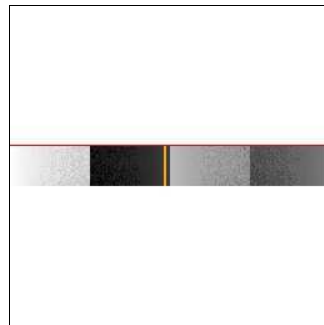
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	38666.513000	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	38690.797693729	Sum of GTIs [s]
caldbver	4.6.7	 	ontime7	38690.797693729	Sum of GTIs [s]
date	2015-04-17T00:35:26	Date and time of file creation	l1events	35467	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

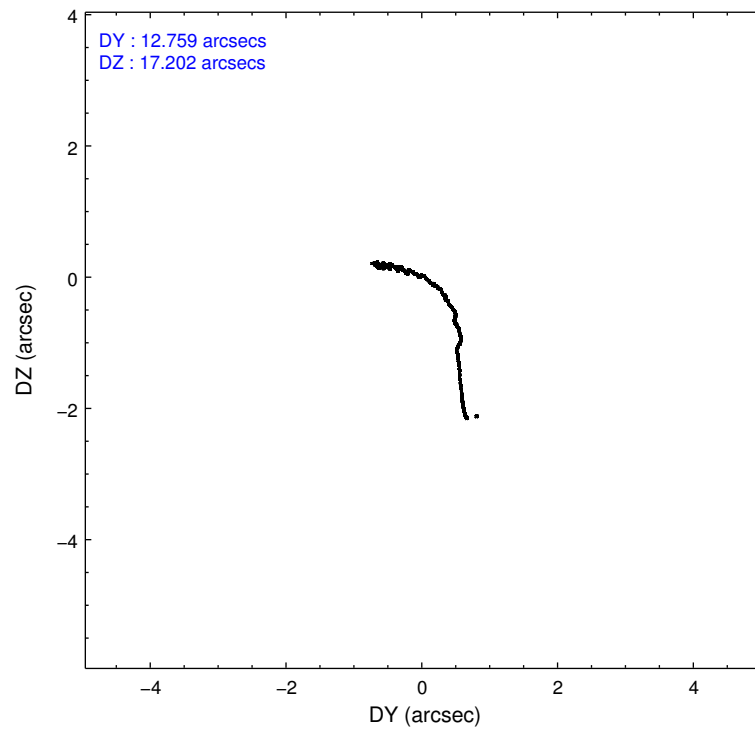
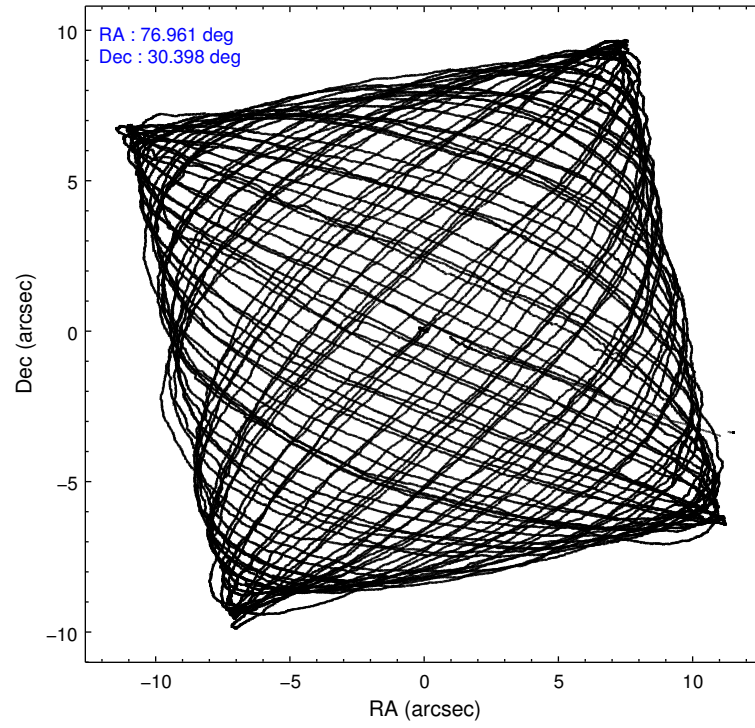
	ccd 7
level 1 events	35467
rejected events	16985
rejected %	47%

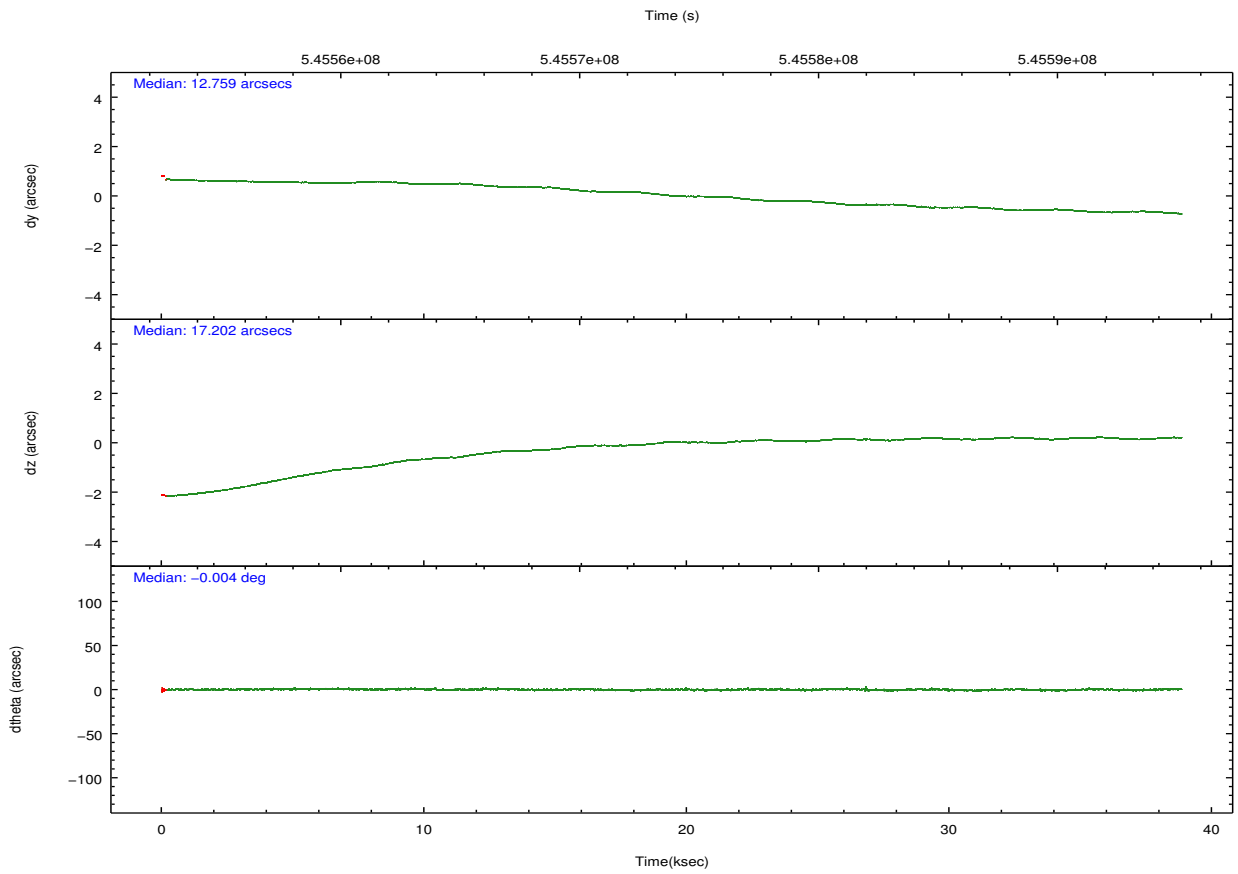
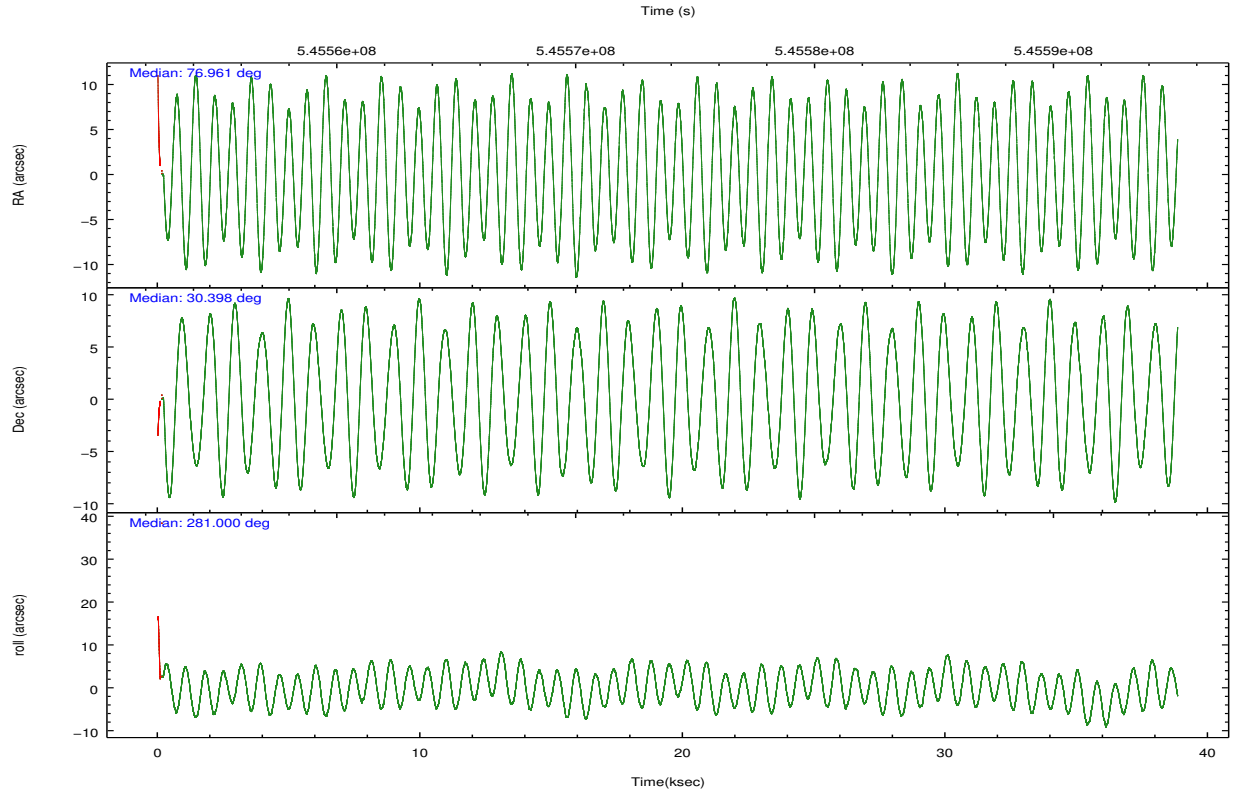
	ccd 7
grade 0 events	2371
	6%
grade 1 events	48
	0%
grade 2 events	3834
	10%
grade 3 events	2312
	6%
grade 4 events	2325
	6%
grade 5 events	3350
	9%
grade 6 events	7955
	22%
grade 7 events	13272
	37%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	76.940296	76.96148783206797	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	30.418415	30.39793485551029	Subarray start row	449	449
[deg] Pointing Roll	280.864436	281.0103386139304	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	545554633.184000	545553337.57295			
Observation start date	2015-04-16T06:56:06	2015-04-16T06:35:37			
[s] Observation end time (MET)	545593300.184000	545593525.77519			
Observation end date	2015-04-16T17:40:33	2015-04-16T17:45:25			
Read mode	TIMED	TIMED			

2.3 Aspect





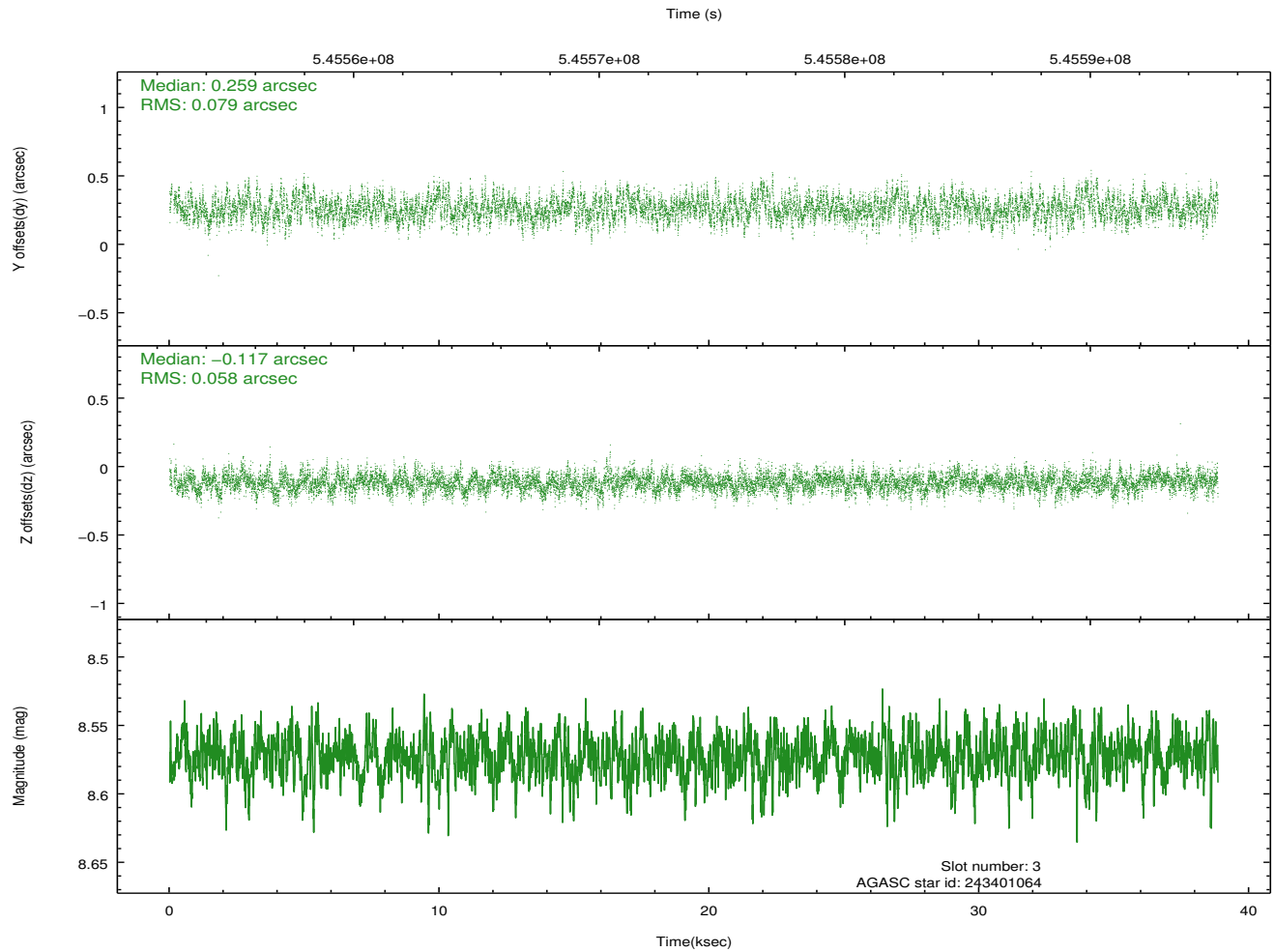
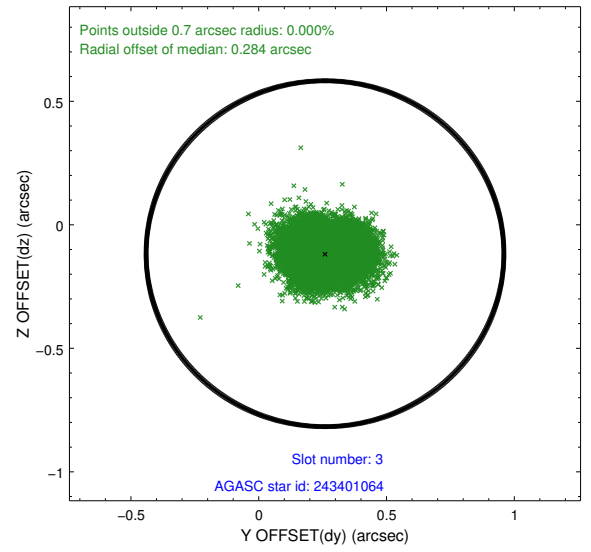
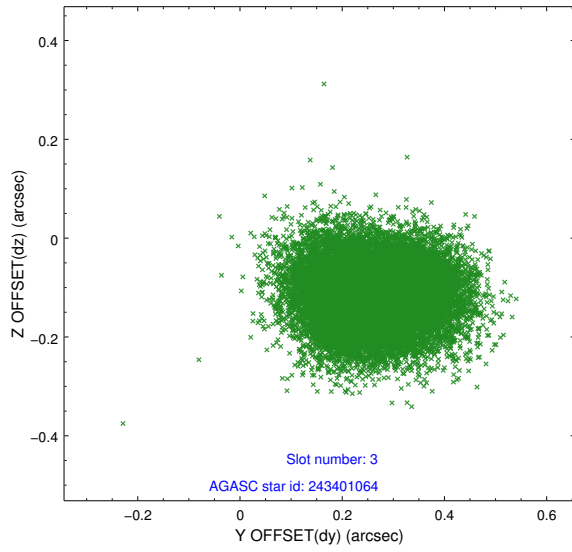
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.04	9458	-0.112	-0.065	0.027	0.043	0.000000	0.000000	-765.82	-1738.32
1	FID		ACIS-S-4	7.13	9460	0.172	0.045	0.020	0.043	0.000000	0.000000	2147.75	170.24
2	FID		ACIS-S-6	7.27	9460	-0.087	0.021	0.013	0.021	0.000000	0.000000	396.24	807.64
3	GUIDE	used	243401064	8.57	18915	0.259	-0.117	0.104	0.169	76.553705	29.764940	2081.99	-1629.01
4	GUIDE	used	313141456	7.91	18914	-0.084	-0.078	0.074	0.122	77.560312	30.574723	-193.64	1994.58
5	GUIDE	used	243406888	7.27	18915	-0.125	0.091	0.089	0.141	76.242855	29.975653	1149.48	-2434.55
6	GUIDE	used	313005784	7.10	18917	-0.051	0.102	0.069	0.113	76.143732	30.380402	-339.90	-2453.14
7	MONITOR	unused		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

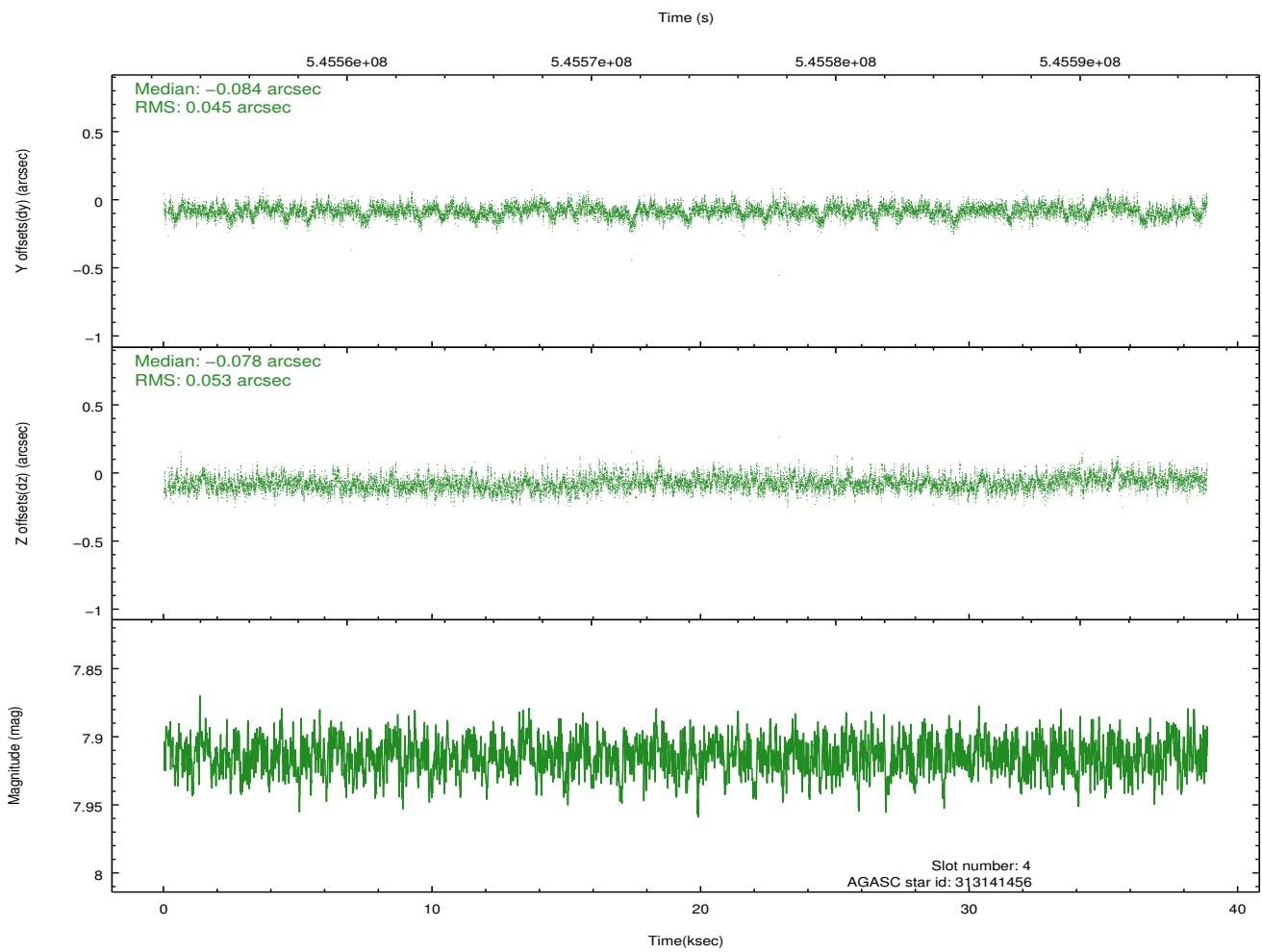
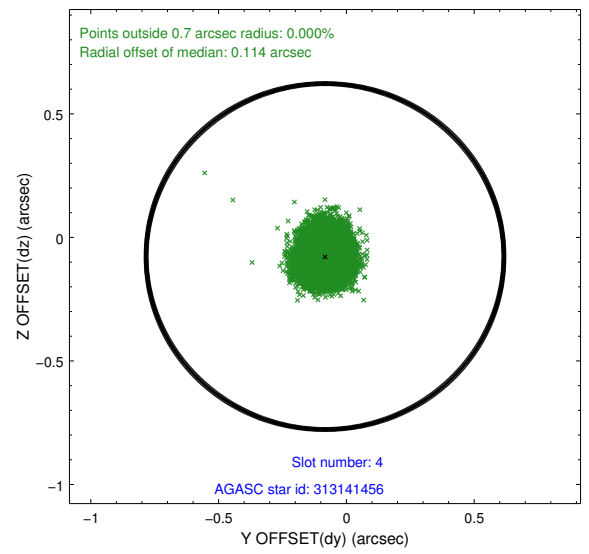
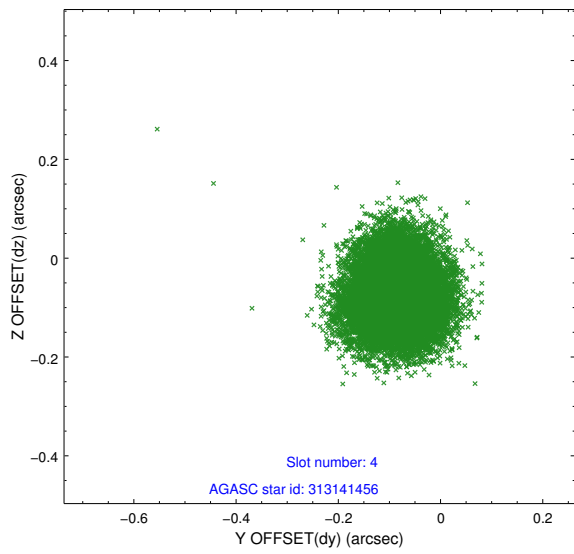
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2.4 Star Slots

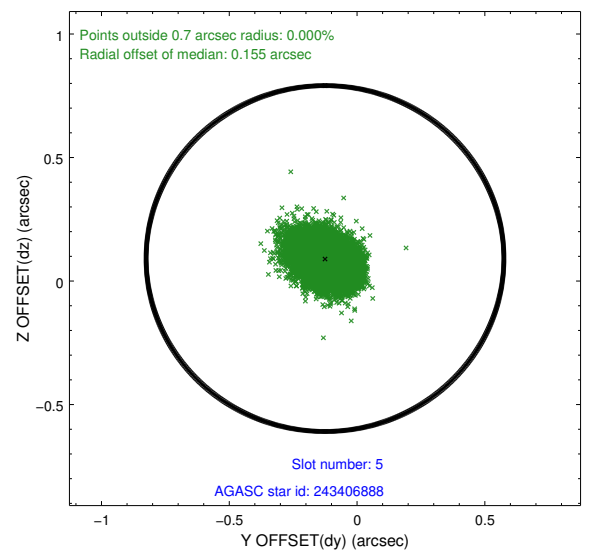
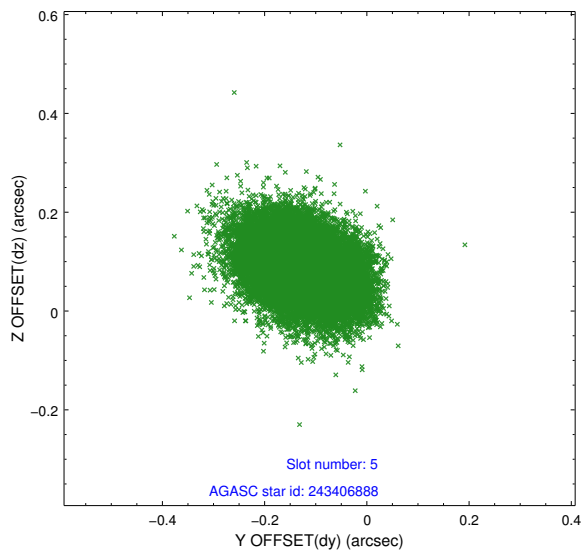
2.4.1 Slot 3



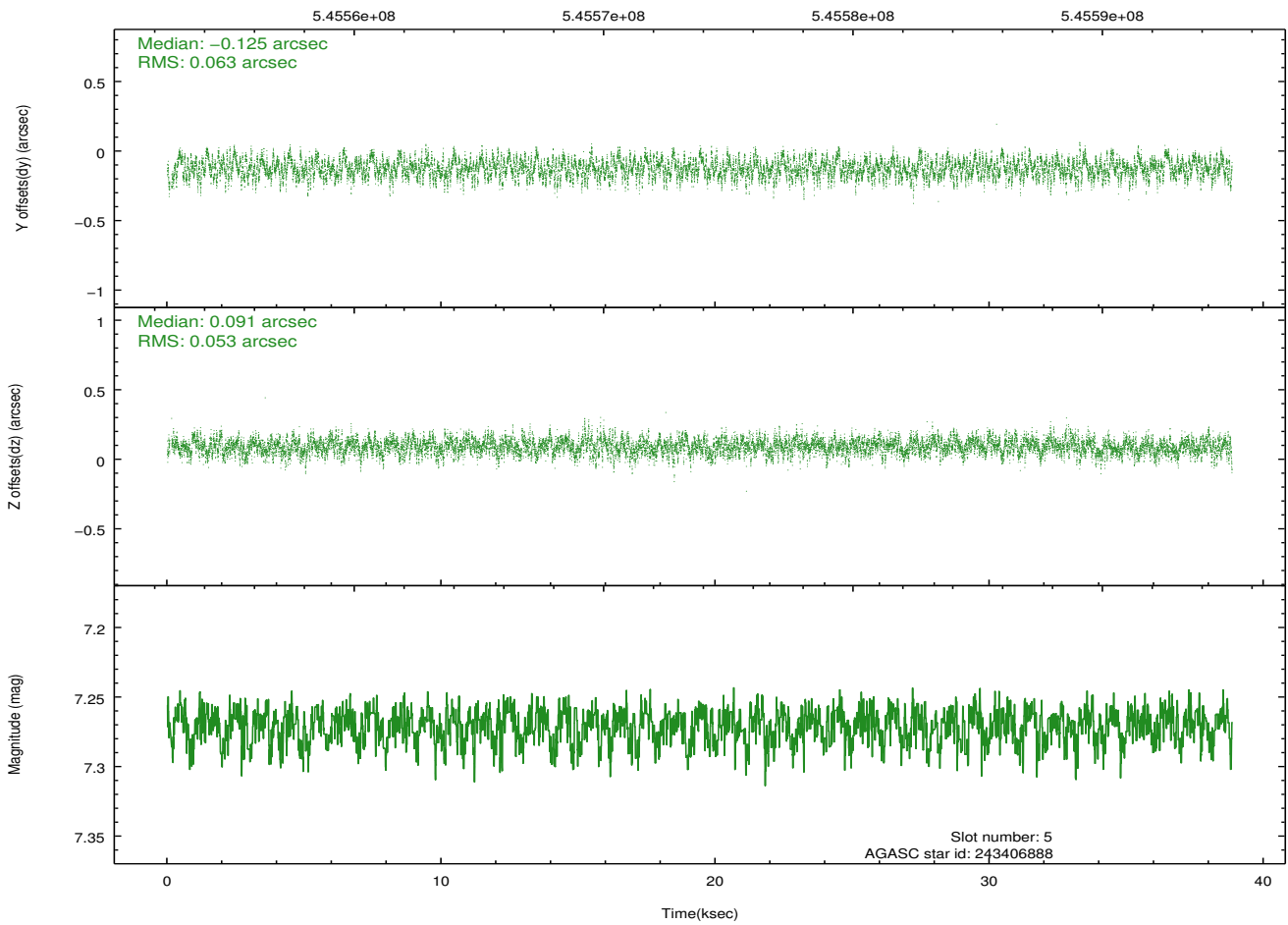
2.4.2 Slot 4



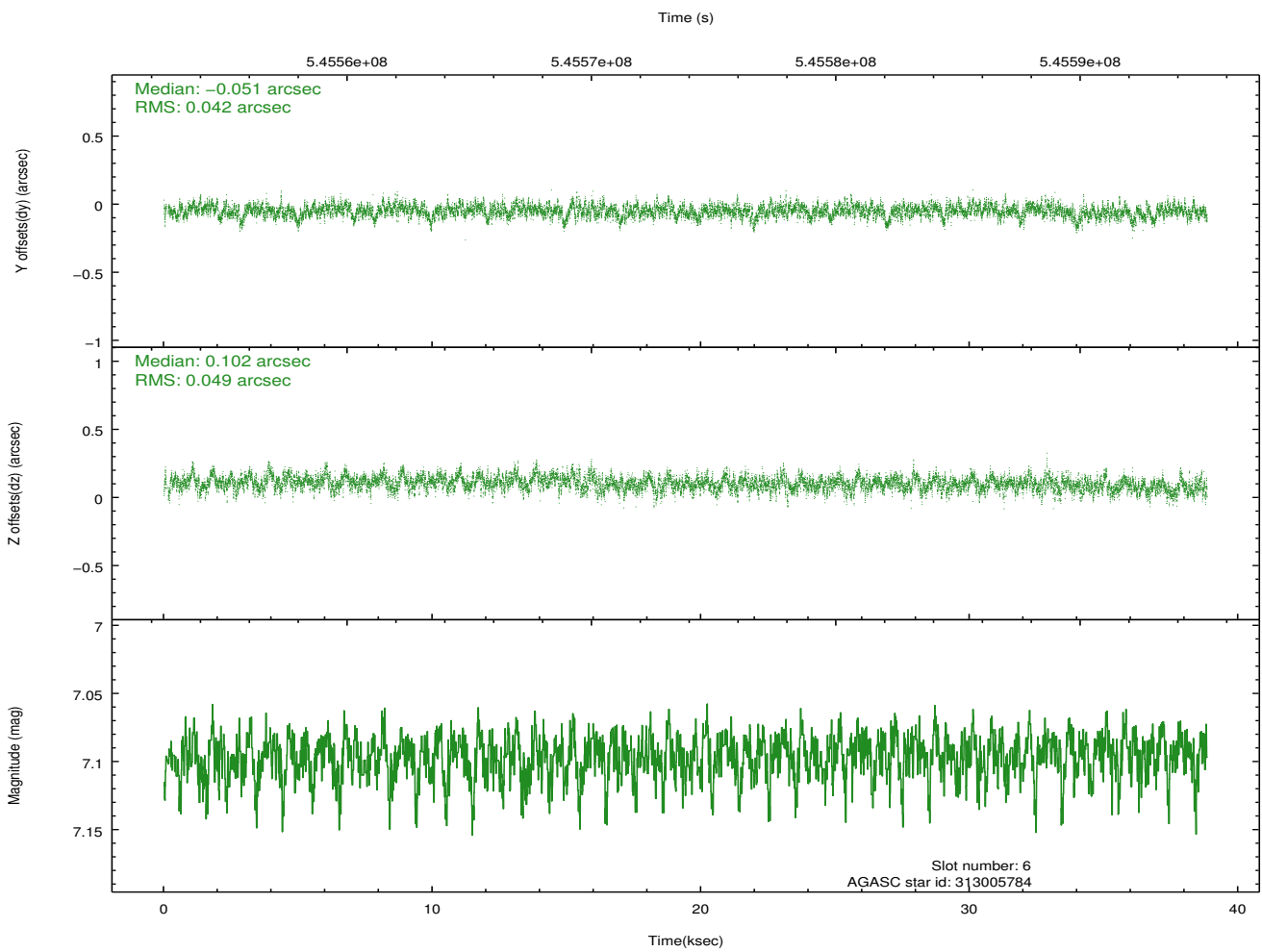
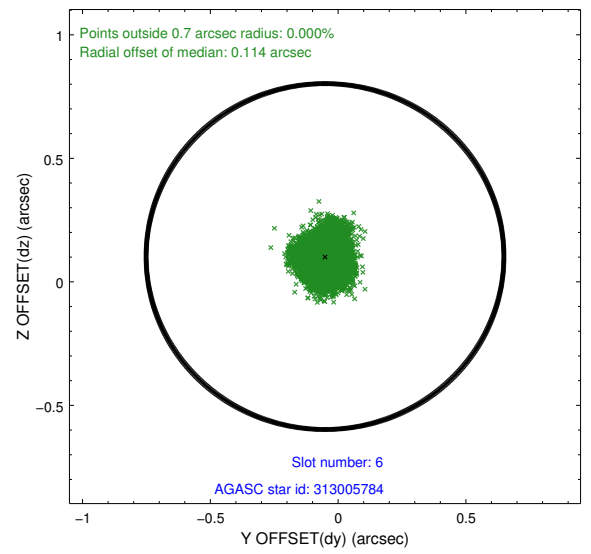
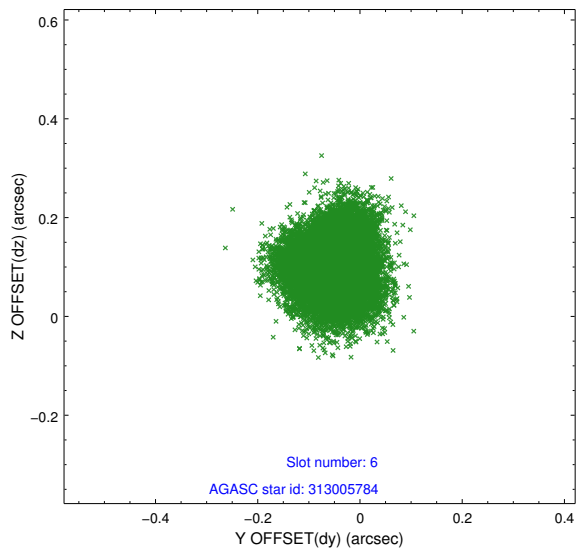
2.4.3 Slot 5



Time (s)

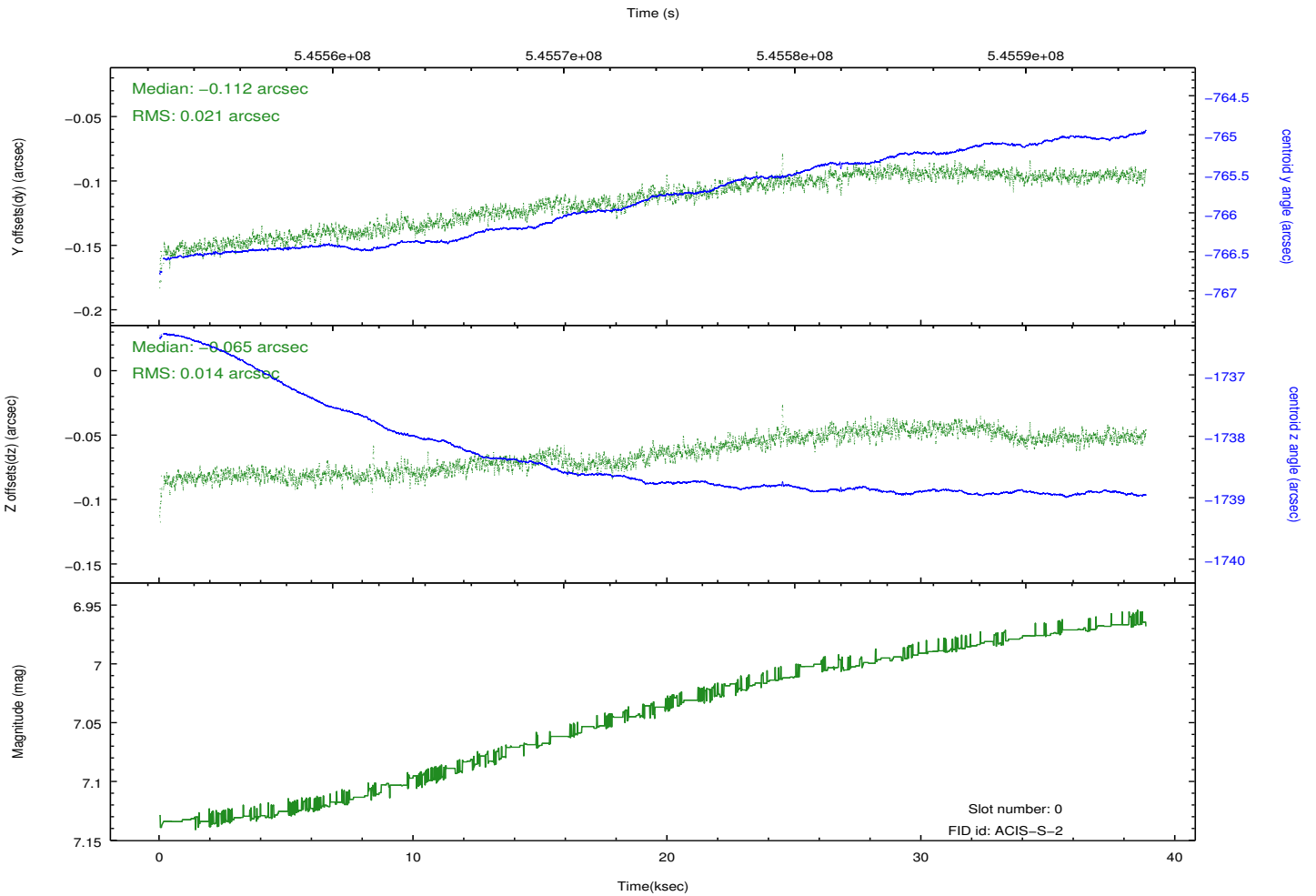
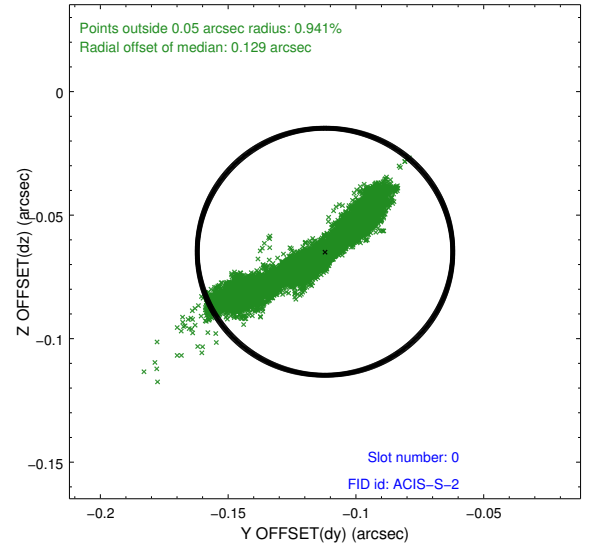
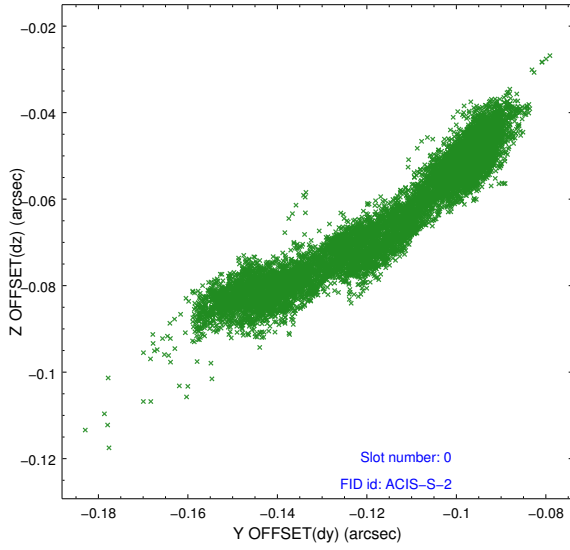


2.4.4 Slot 6

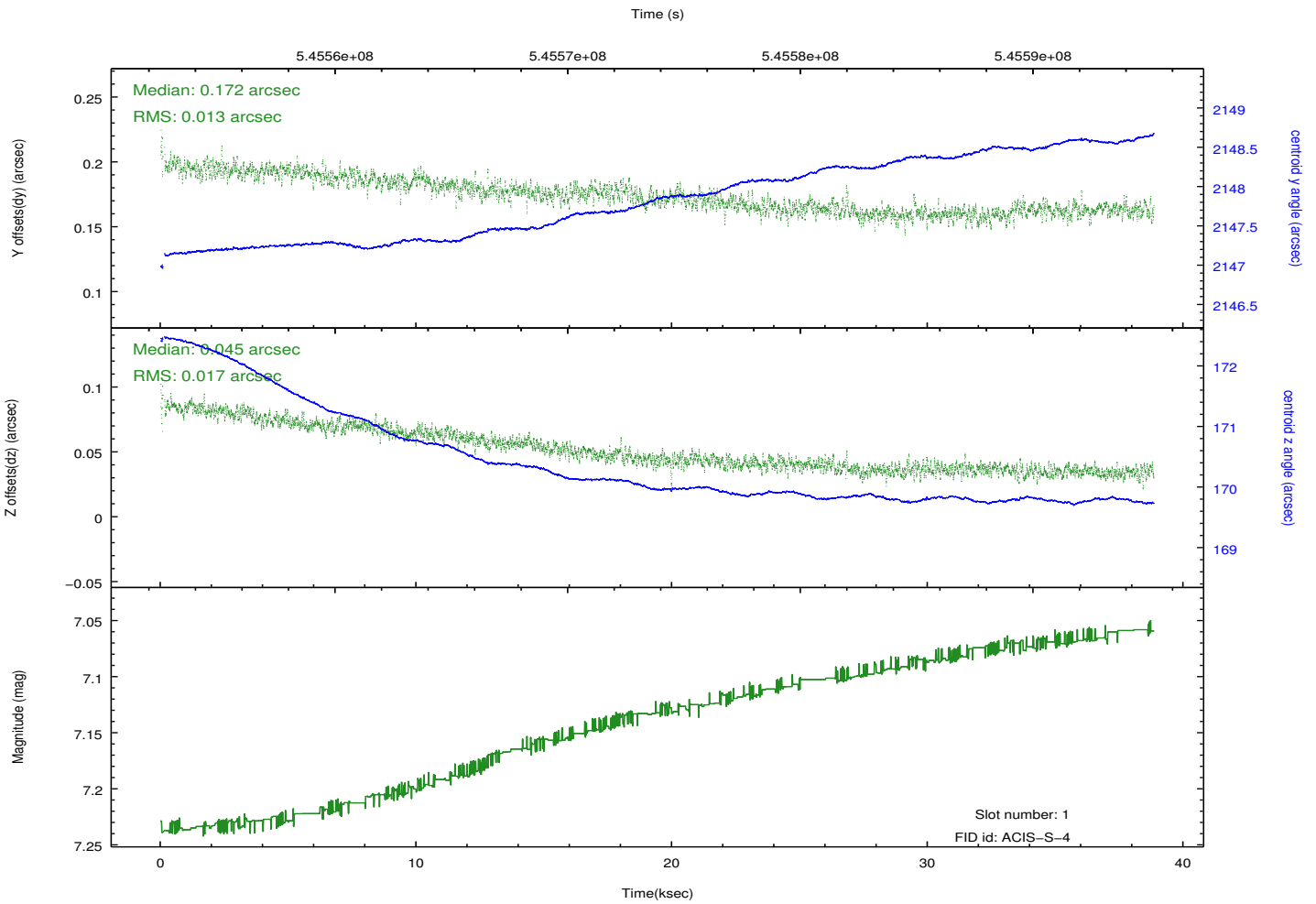
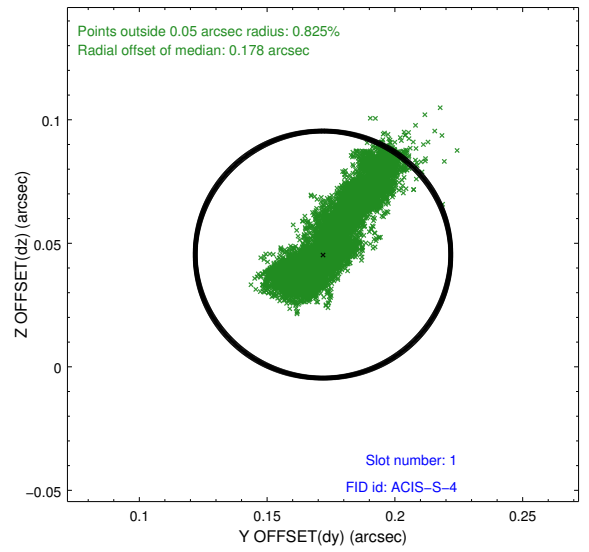
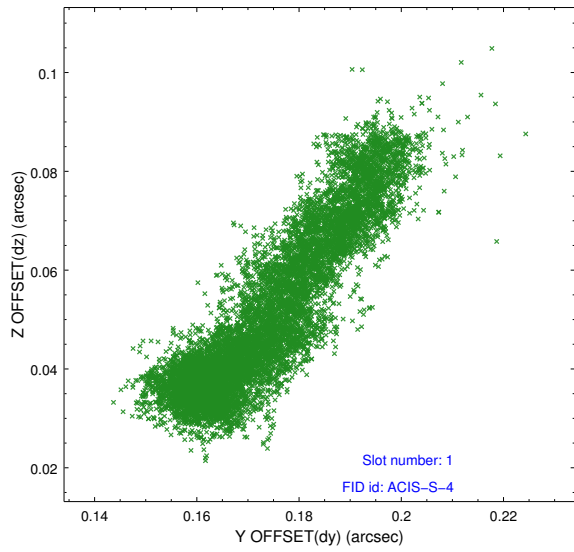


2.5 FID Slots

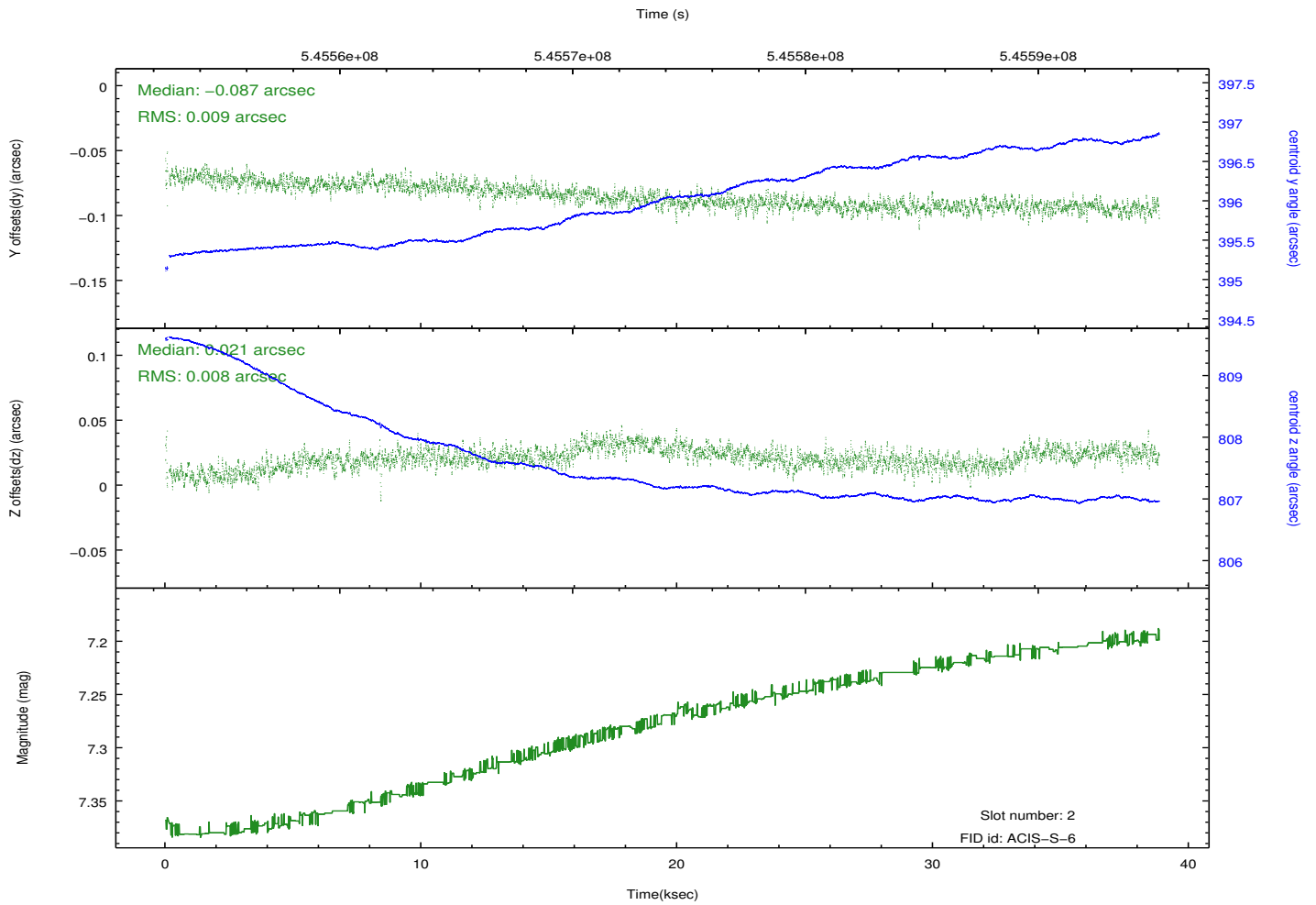
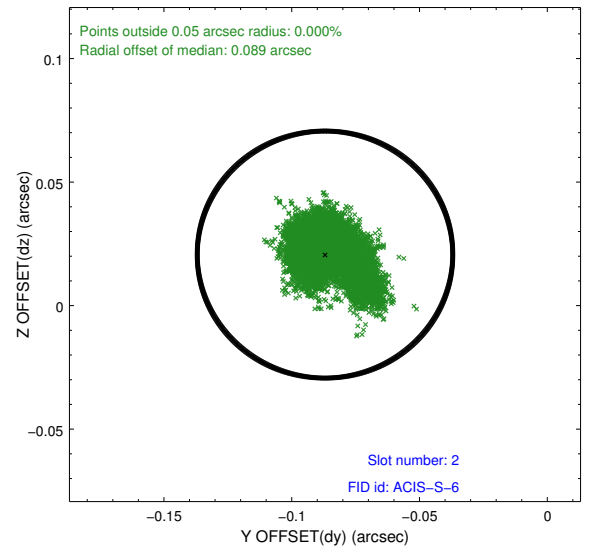
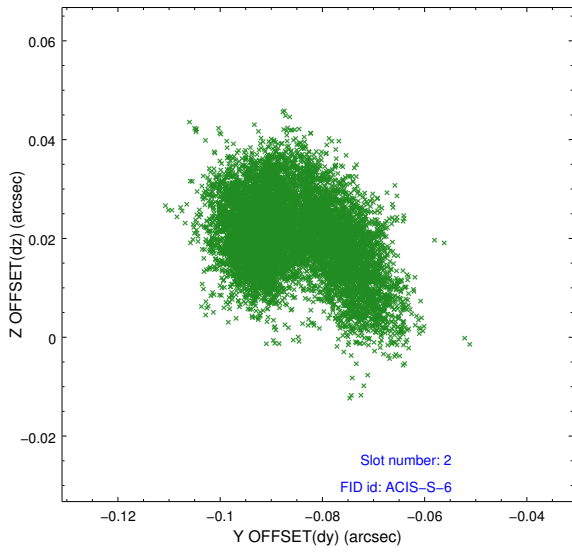
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.690797693729

A.2 Comments

Target is not precisely at expected coordinates, considering SIMBAD proper motion. Target monitored optically in slot 7 during the observation.